

## WATER VALVE MAINTENANCE (TRUCK/TRAILER) – WATER DISTRIBUTION

<b>DESCRIPTION</b>	The Water Valve Maintenance (Truck/Trailer) - Water Distribution is truck-mounted or trailer-mounted equipment for exercising water distribution valves and for valve box cleaning
<b>RESOURCE CATEGORY</b>	Public Works
<b>RESOURCE KIND</b>	Equipment
<b>OVERALL FUNCTION</b>	The Water Valve Maintenance (Truck/Trailer) - Water Distribution is equipment to support the operation and exercising of water valves and valve box cleaning
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. This equipment can be ordered in conjunction with a National Incident Management System (NIMS) typed team (Repair Team - Water Distribution System)</li> <li>2. Can be ordered with staff using the NIMS Utility Worker Specialist - Water Sector Infrastructure</li> <li>3. Requestor verifies trailer connection compatibility if equipment is trailer-mounted</li> </ol>

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
<b>EQUIPMENT DESCRIPTION</b>	1 - Truck-mounted valve exerciser 1 - Mounted vacuum	1 - Trailer-mounted valve exerciser with vacuum	1 - Trailer-mounted or truck-mounted valve exerciser	Not Specified
<b>EQUIPMENT VALVE EXERCISER TORQUE</b>	Same as Type 2	Same as Type 3	Up to 750 ft/pound (lb)	Not Specified
<b>EQUIPMENT CAPACITY</b>	Same as Type 2	Same as Type 3	4-inch valves and larger	Not Specified
<b>EQUIPMENT VALVE EXERCISER SPEED</b>	Same as Type 2	4 to 68 revolutions per minute (RPM)	5 to 30 RPM	Not Specified
<b>EQUIPMENT VALVE EXERCISER REACH</b>	Same as Type 2	Up to 27 inches	Up to 13 feet	Not Specified
<b>EQUIPMENT VALVE EXERCISER SUPPLY REQUIREMENTS</b>	Same as Type 2	2 to 30 gallons per minute (GPM) at 2,000 pounds per square inch (PSI)	4 to 12 GPM at 2,000 PSI	Not Specified
<b>EQUIPMENT VALVE EXERCISER VALVE KEY</b>	<ol style="list-style-type: none"> <li>1. 2-inch nut to a depth of 6 feet rated for 2,500ft/lb. of torque</li> <li>2. 3-foot to 8-foot extensions to extend reach depth</li> </ol>	2-inch nut to a depth of 6 feet rated for 2,500ft/lb. of torque	2-inch nut to a depth of 6 feet rated for 800ft/lb. of torque	Not Specified
<b>EQUIPMENT VACUUM PUMP</b>	Same as Type 2	Same as Type 3	450 cubic feet per minute (CFM)	Not Specified
<b>EQUIPMENT VACUUM DEBRIS TANK</b>	200 gallons	Same as Type 3	90 gallons	Not Specified
<b>EQUIPMENT VACUUM HOSE DIAMETER</b>	Same as Type 2	Same as Type 3	3 inches	Not Specified

## NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

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## REFERENCES

1. FEMA, NIMS 508: Repair Team – Water Distribution System
2. FEMA, NIMS 509: Utility Worker Specialist – Water Sector Infrastructure
3. FEMA, National Incident Management System (NIMS), October 2017
4. FEMA, National Response Framework, June 2016